CALIFORNIA ENERGY COMMISSION

1516 Ninth Street
Sacramento, California 95814

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NOTICE OF COMMISSION APPROVAL OF
eQUEST/D2Comply (Version 3.55 using DOE2.2 v44c)
ALTERNATIVE CALCUALTION METHODS (ACMs)
For Use In Demonstrating Compliance with the *2001 Building Energy Efficiency Standards for Nonresidential Buildings, High Rise Residential Buildings, and Hotels and Motels*

On April 27, 2005, the California Energy Commission approved the submittal and application of James J. Hirsch and Associates for approval of eQuest and D2Comply (version 3.55 for both programs) as an Alternative Calculation Methods (ACMs) for use in complying with the *2001 Energy Efficiency Standards for Nonresidential Buildings, High Rise Residential Buildings and Hotels and Motels* (Standards) (California Code of Regulations, Title 24, Part 6). Prior to October 1, 2005, applicants for permits for nonresidential buildings, high rise residential buildings, hotels, and motels may use eQuest and D2Comply (version 3.55 for both programs) to demonstrate compliance with the Standards using the performance approach.

Background

The Energy Commission approves Alternative Calculation Methods (ACMs), typically computer programs, for use in demonstrating compliance with the Standards, which it develops and promulgates for the State of California. The application for approval of an ACM must demonstrate that the proposed ACM meets the requirements specified in the applicable ACM Approval Manual. The *Nonresidential ACM Approval Manual* is used for ACMs that demonstrate compliance for nonresidential buildings, high rise residential buildings, and hotels and motels.

In October 2004, James J. Hirsch and Associates submitted an application for approval of the eQuest/D2Comply computer program for use in demonstrating compliance with the Standards for nonresidential, high rise residential buildings, and hotels and motels. The Energy Commission has determined that eQuest (version 3.55) and D2Comply (version 3.55) meet the applicable tests and criteria in the *Nonresidential ACM Approval Manual* for approval.

COMPLIANCE OPTIONS

A building permit applicant now has four options for demonstrating compliance with the Standards:

1) the prescriptive approach installing a specific set of energy efficiency measures; and,
2) the performance approach using one of the three approved ACMs (computer programs) to determine the measures necessary to comply:

   a) PERFORM 2001 distributed by the Energy Commission;
   b) EnergyPro 3.1 distributed by Gabel Dodd/EnergySoft LLC; and,
   c) eQuest (v3.55) or D2Comply (v3.55) distributed by James J. Hirsch and Associates.

The first two of these ACMs were developed by Gabel Dodd/EnergySoft LLC and use DOE2.1E (version 110) as the computational engine. eQuest/D2Comply uses DOE2.2 v044c as the computational engine.

VENDOR CERTIFICATION

The vendor/distributor has certified that eQuest/D2Comply (Version 3.55) conforms to all of the requirements for Energy Commission approval listed in the *2001 Nonresidential ACM Approval Manual*.

eQuest/D2Comply may be obtained through the website: http://DOE2.com.

Technical questions regarding eQuest/D2Comply should be directed to Jeff Hirsch at (805) 553-9000, by email at: Jeff.Hirsch@DOE2.com or at the website: http://DOE2.com.

Mailed to lists: 50, 52, 53 and 480   Date: May 6, 2005

Note: California Energy Commission's formal name is State Energy Resources Conservation and Development Commission.